

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-19 16:19:50

Date of Next Testing: 2028-01-18 16:19:50

Product Name: **(R)-(-)-1,3-Butanediol**

CAS Number: 6290-03-5

Specifications & Purity: $\geq 98\%$ (GC)

Lot #: D2007091

SKU # **R160960**

Version **0**

Analysis #: **316147**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.11200 %
Refractive index n _{20/D}	1.439-1.441	1.43960
Specific Rotation [α] _{20/D} (c=1 in EtOH)	-32--25 (°)	-28.90000 °
Appearance (R160960)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager